

Our patented 3 dB 90° Hybrid Couplers provide:

- Superior component performance starting at 3:1 Bandwidth.
- Thicker center boards for high power and increased repeatability.
- Bonded structures which eliminate any air gaps between substrates.
- More sections per bandwidth for better coupling flatness.
- Electrically shorter and physically smaller RF components.

Features:

High Power Wide Bandwidths Small Size Connectorized Drop-In & Surface Mount

Electrical Specifications:

Frequency:	20 - 520 MHz
Power:	25 W CW
Insertion Loss:	0.6 dB Max.
VSWR:	1.40:1 Max.
Phase Balance:	90° ± 10° Max.
Amplitude Balance:	± 1.0 dB Max.
Isolation:	20 dB Min.

Mechanical Specifications:

Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Size:	2.7 x 2.7 x 1.25"

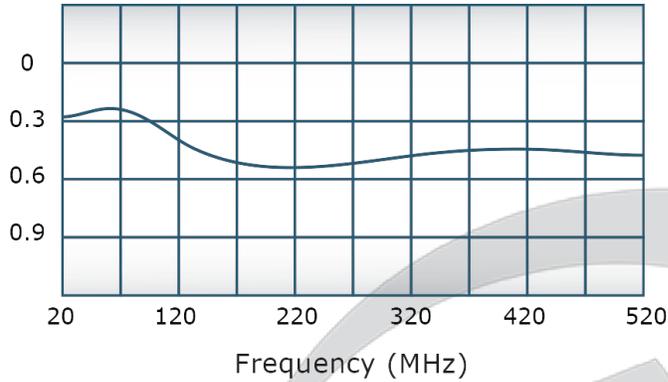
Connector Configurations:

Model	Sum Port (J1)	Inputs/Outputs (J2,J3)
QH9386-10	N Female	N Female
QH9386-12	N Female	SMA Female
QH9386-102	SMA Female	SMA Female

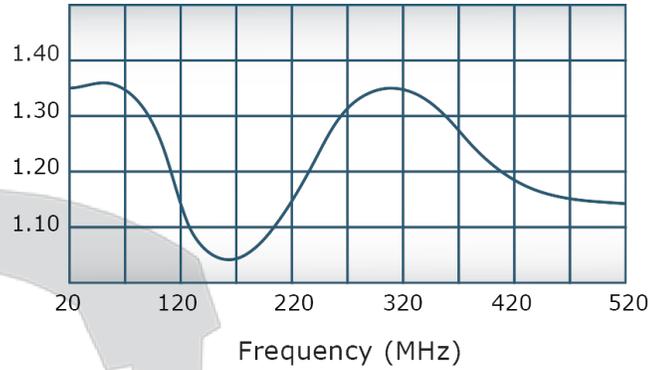
Werlatone's breakthrough technology allows us to build our existing line of Broadband 3 dB High Power 90° Hybrid Couplers. Connectorized 3 dB 90° Hybrid Coupler models are available with a choice of connectors. Several of our existing High Power 3 dB 90° RF Couplers are three port designs, wherein the difference port is internally terminated with a high power termination. This eliminates the need for a customer supplied external load for each Hybrid Coupler.

Performance Data (Specifications subject to change without notice):

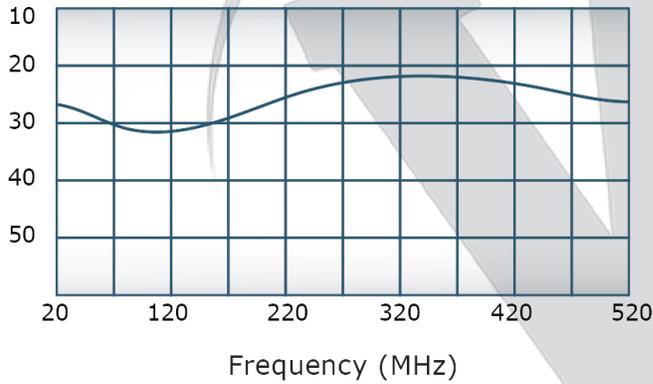
Insertion Loss:



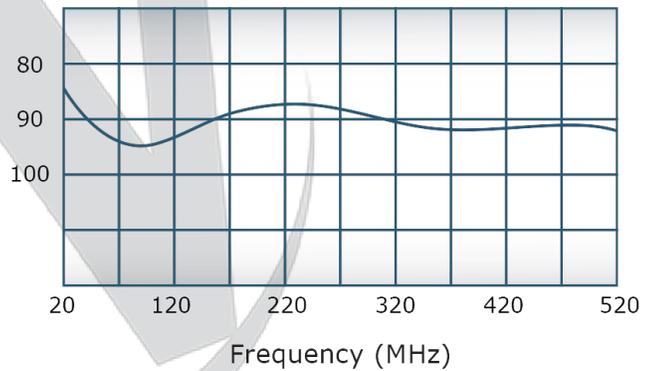
VSWR:



Isolation:



Phase Balance:



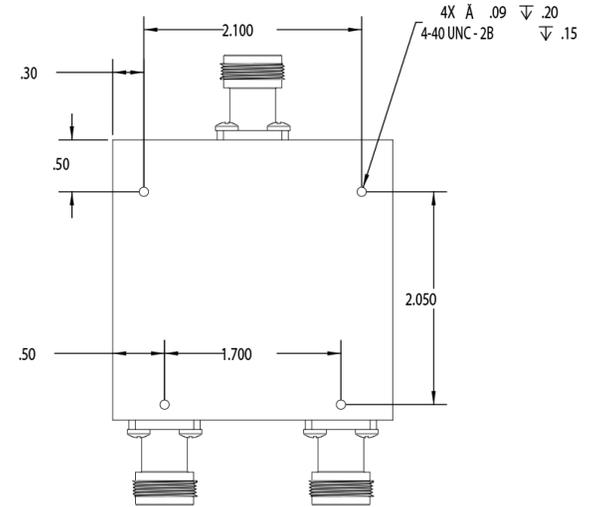
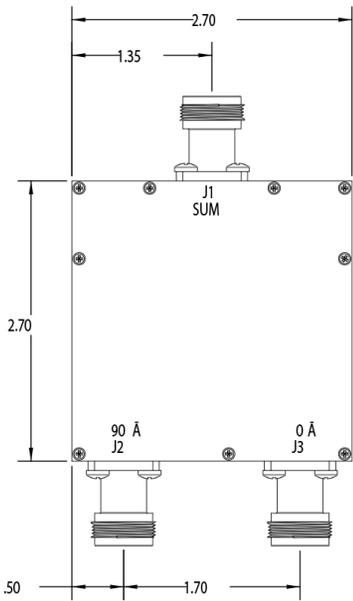
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Werlatone, Inc.

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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	INITIAL RELEASE	5/7/2012	



UNLESS OTHERWISE SPECIFIED		DATE	17 Jon Barrett Rd Patterson, NY 12563
DATE	5/7/2012	WERLATONE SINCE 1965	
DESCRIPTION	OUTLINE	SIZE	CAGE CODE
DATE		B	28812
DATE		20897-500	
DATE		SCALE	1:1
DATE		SHEET	1 OF 1

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